

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	514	publish\$3 and subscrib \$3 and object	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/17 17:29
L5	8	publish\$3 and subscrib \$3 and object and g06f\$. ipc.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/11/17 17:29
S1	1905	data near2 transfer near2 object	US-PGPUB; USPAT	OR	ON	2006/10/11 14:42
S2	6	data adj transfer adj object same buffer	US-PGPUB; USPAT	OR	ON	2006/10/11 14:44
S3	5251	object near2 code with (load\$3 stor\$3 transfer \$4)	US-PGPUB; USPAT	OR	ON	2006/10/11 14:44
S4	3481	object adj code with (load\$3 stor\$3 transfer \$4)	US-PGPUB; USPAT	OR	ON	2006/10/11 14:45
S5	52	object adj code with (load\$3 stor\$3 transfer \$4) with (buffer queue)	US-PGPUB; USPAT	OR	ON	2007/06/20 19:15
S6	204	(processor CPU) same thread same (read\$3 retriev\$3) same (writ\$3 load\$3) same buffer	US-PGPUB; USPAT	OR	ON	2006/10/11 15:25
S7	21	(processor CPU) with thread with (read\$3 retriev\$3) with (writ\$3 load\$3) with buffer	US-PGPUB; USPAT	OR	ON	2006/10/11 15:27
S8	1102	thread and (input and output) near2 buffer	US-PGPUB; USPAT	OR	ON	2006/10/11 15:28
S9	0	thread same data with publish\$3 with (input and output) near2 buffer	US-PGPUB; USPAT	OR	ON	2006/10/11 15:28
S10	3	publish\$3 with (input and output) near2 buffer	US-PGPUB; USPAT	OR	ON	2006/10/11 15:28
S11	1883	"input buffer" same "output buffer" same (CPU processor)	US-PGPUB; USPAT	OR	ON	2006/10/11 15:30

S12	748	"input buffer" same "output buffer" same (CPU processor) same read\$3 and writ\$3	US-PGPUB; USPAT	OR	ON	2006/10/11 15:46
S13	1	"5583964".pn.	US-PGPUB; USPAT	OR	ON	2006/10/11 15:50
S14	1	"5892962".pn.	US-PGPUB; USPAT	OR	ON	2006/10/11 15:52
S15	6860	DMA with buffer	US-PGPUB; USPAT	OR	ON	2006/10/11 15:57
S16	5470	(notif\$7 indicat\$3) with data with (buffer queue) same (read\$3 retriev\$3) near5 buffer	US-PGPUB; USPAT	OR	ON	2006/10/11 16:39
S17	0	(notif\$7 indicat\$3) with (coprocessor PE) with data with (buffer queue) same coprocessor with (read\$3 retriev\$3) near5 buffer	US-PGPUB; USPAT	OR	ON	2006/10/11 16:40
S18	10	(notif\$7 indicat\$3) with (coprocessor PE) with data with (buffer queue) same (read\$3 retriev\$3) near5 buffer	US-PGPUB; USPAT	OR	ON	2006/10/11 16:42
S19	521	notif\$7 with data with (buffer queue) same (read\$3 retriev\$3) near5 buffer	US-PGPUB; USPAT	OR	ON	2006/10/11 16:42
S20	149	notif\$7 near4 data near3 (buffer queue) same (read\$3 retriev\$3) near5 buffer	US-PGPUB; USPAT	OR	ON	2006/10/11 16:42
S21	79	notif\$7 near4 data near3 (buffer queue) same (read\$3 retriev\$3) near5 buffer and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/10/11 16:44
S22	13	notif\$7 near4 writ\$3 near3 data near3 (buffer queue) same (read\$3 retriev\$3) near5 buffer and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/10/12 13:04
S23	1	"5933627".pn.	US-PGPUB; USPAT	OR	ON	2006/10/13 10:07
S24	107	transfer\$3 with message with buffer with header	US-PGPUB; USPAT	OR	ON	2006/10/13 10:08
S25	86	transfer\$3 with message with buffer with header and header near3 (compris\$3 consist\$3 includ\$3)	US-PGPUB; USPAT	OR	ON	2006/10/13 10:10

S26	3	transfer\$3 with message with buffer with header and header with parity	US-PGPUB; USPAT	OR	ON	2006/10/13 10:12
S27	360	header with (packet message) with parity	US-PGPUB; USPAT	OR	ON	2006/10/13 10:12
S28	38	header with (packet message) with parity with length	US-PGPUB; USPAT	OR	ON	2006/10/13 10:12
S29	50	header with (packet message) with parity with (length size)	US-PGPUB; USPAT	OR	ON	2006/10/13 10:23
S30	316	header with (packet message) with ((error near2 (check\$3 correct \$3)) parity) with (length size)	US-PGPUB; USPAT	OR	ON	2006/10/13 13:21
S31	1	header with (packet message) with ((error near2 (check\$3 correct \$3)) parity) with (length size) and "712"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/13 10:24
S32	0	(send\$3 transmit\$4) with data with coprocessor same pipeline near3 coprocessor with process \$3 with data	US-PGPUB; USPAT	OR	ON	2006/10/13 13:22
S33	2	(send\$3 transmit\$4) with data with coprocessor same pipeline near3 coprocessor	US-PGPUB; USPAT	OR	ON	2006/10/15 10:36
S34	10158	buffer with data with written with memory	US-PGPUB; USPAT	OR	ON	2006/10/15 10:37
S35	0	buffer near3 data near2 written near2 to near2 memory	US-PGPUB; USPAT	OR	ON	2006/10/15 10:37
S36	0	buffer near3 data near3 written near3 to near2 memory	US-PGPUB; USPAT	OR	ON	2006/10/15 10:37
S37	2775	buffer near3 data near3 written near2 memory	US-PGPUB; USPAT	OR	ON	2006/10/15 10:37
S38	1333	buffer near2 data near2 written near2 memory	US-PGPUB; USPAT	OR	ON	2006/10/15 10:38
S39	129	store near2 buffer near2 data near2 writ\$3 near2 memory	US-PGPUB; USPAT	OR	ON	2006/10/15 10:38
S40	152	712/29.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/15 12:19

S41	319	712/34.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/15 12:19
S42	252	712/35.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/15 12:19
S43	180	712/38.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/15 12:19
S44	597	712/225.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/15 12:19
S45	770	710/33.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/15 12:19
S46	1844	710/52.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/15 12:19
S47	1199	709/213.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/15 12:21
S48	9	object adj code with (load\$3 stor\$3 transfer \$4) with (buffer queue)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 12:23
S49	21	buffer\$3 with (transfer\$ transmit\$4 send\$3) with (coprocessor DSP) with data	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/15 12:28
S50	1	"4956771".pn.	US-PGPUB; USPAT	OR	ON	2006/10/15 12:28
S51	98	(coprocessor assist DSP) with (handl\$3 initiat\$3) near3 (DMA "direct memory access")	US-PGPUB; USPAT	OR	ON	2007/03/27 13:31
S52	27	DMA with generat\$3 with header with (address destination)	US-PGPUB; USPAT	OR	ON	2007/03/27 13:32
S53	1	("6,704,816" "2004181621").pn.	US-PGPUB; USPAT	OR	ON	2007/06/20 19:16
S54	2	("6,704,816" "20040181621").pn.	US-PGPUB; USPAT	OR	ON	2007/06/20 19:16
S55	277	message with data with header near3 destination	US-PGPUB; USPAT	OR	ON	2007/06/21 12:31
S56	101	message with header near3 destination with data same (element node)	US-PGPUB; USPAT	OR	ON	2007/06/21 17:31
S57	0	message with header near3 destination with data same (element node processor) same thread	US-PGPUB; USPAT	OR	ON	2007/06/21 12:32

S58	4	message with header near3 destination with data same (element node processor) same intermediate	US-PGPUB; USPAT	OR	ON	2007/06/21 12:37
S59	6	message with header with destination same (element node processor) same intermediate same (queue FIFO buffer memory)	US-PGPUB; USPAT	OR	ON	2007/06/21 17:31
S60	6	message with header with destination same (element node processor) same intermediate same (latch queue FIFO buffer memory)	US-PGPUB; USPAT	OR	ON	2007/06/21 12:40
S61	1	"5377333".pn.	US-PGPUB; USPAT	OR	ON	2007/06/21 12:41
S62	0	message with header with destination same (element node processor) same intermediate same (queue FIFO buffer memory)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 17:31
S63	2	message with header near3 destination with data same (element node)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/21 17:31
S64	27	(code thread) near4 (retriev\$3 access\$3 read \$3) with first adj (buffer queue) and (second next) adj (buffer queue) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/03/20 15:23
S65	0	(code thread) near4 (retriev\$3 access\$3 read \$3) with first adj (buffer queue) with (assign\$3 dedicat\$3)	US-PGPUB; USPAT	OR	ON	2008/03/20 15:25
S66	24	(code thread) with first adj (buffer queue) with (assign\$3 dedicat\$3)	US-PGPUB; USPAT	OR	ON	2008/03/20 15:25
S67	49	receiv\$3 with (message packet) same (strip\$4 remov\$3) near3 header with stor\$3 near3 (queue fifo buffer)	US-PGPUB; USPAT	OR	ON	2008/03/20 15:54

S68	0	receiv\$3 with (message packet) same (strip\$4 remov\$3) near3 header with stor\$3 near3 (queue fifo buffer) and thread	US-PGPUB; USPAT	OR	ON	2008/03/20 16:03
S69	1	fpga same ("without execution" "without executing") near3 instruction	US-PGPUB; USPAT	OR	ON	2008/03/21 12:26
S70	7	instruction with burn\$3 with logic and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/03/21 12:27
S71	0	fpga with don't near3 execut\$3 near3 instruction	US-PGPUB; USPAT	OR	ON	2008/03/21 12:37
S72	192	fpga near3 execut\$3 near3 (instruction program)	US-PGPUB; USPAT	OR	ON	2008/03/21 12:39
S73	74	fpga near3 execut\$3 near3 (instruction program) same (react\$5 configur\$5)	US-PGPUB; USPAT	OR	ON	2008/03/21 12:39
S74	0	fpga near3 execut\$3 near3 (instruction program) same react\$5	US-PGPUB; USPAT	OR	ON	2008/03/21 12:39
S75	52	processor with (coupl\$3 connect\$3) with fpga same accelerat\$3	US-PGPUB; USPAT	OR	ON	2008/03/21 12:52
S76	2	processor with (coupl\$3 connect\$3) with fpga same accelerat\$3 and processor with (transmit \$4 transfer\$4 send\$3 pass\$3) with (data operand) with fpga	US-PGPUB; USPAT	OR	ON	2008/03/21 12:54
S77	1	processor with (coupl\$3 connect\$3) with fpga same accelerat\$3 same pipeline	US-PGPUB; USPAT	OR	ON	2008/03/21 12:54
S78	9	pipeline near2 accelerat \$3 with fpga	US-PGPUB; USPAT	OR	ON	2008/03/21 12:56
S79	3313	(processor CPU mater) with (coupl\$3 connect \$3) with fpga	US-PGPUB; USPAT	OR	ON	2008/03/21 12:57
S80	38	(processor CPU mater) with (coupl\$3 connect \$3) with fpga and processor near3 (offload \$3 off-load\$3 transmit\$4 transfer\$4 send\$3 pass \$3) near5 fpga	US-PGPUB; USPAT	OR	ON	2008/03/21 12:57

S81	5	redundan\$3 with (message packet) with (buffer queue fifo) with second same error	US-PGPUB; USPAT	OR	ON	2008/10/15 18:15
S82	10	(error redundan\$3) same (copy copie? duplicat\$3 replicat\$3 identical) near3 (message packet) with (parallel second) with (buffer queue fifo)	US-PGPUB; USPAT	OR	ON	2008/10/15 18:17
S83	4	("5675579" "4507782" "6148348" "6601210"). pn.	US-PGPUB; USPAT	OR	ON	2008/10/15 18:40
S84	1	"5226152".pn..pn.	US-PGPUB; USPAT	OR	ON	2008/10/15 18:40
S85	0	("6985975").URPN.	USPAT	OR	ON	2008/10/15 18:46
S87	64	("20010014937" "20010025338" "20020087829" "20030009651" "20030061409" "20030177223" "20040019771" "20040019883" "20040045015" "20040061147" "20040064198" "20040130927" "20040133763" "20040136241" "20040153752" "20040170070" "20050104743" "20060123282" "20060236018" "20070055907" "4862407" "4873626" "4985832" "5185871" "5317752" "5623418" "5640107" "5655069" "5752071" "5784636" "5801958" "5867399" "5910897" "5916307" "5931959" "5933356" "6018793" "6023742" "6049222" "6096091" "6112288" "6192384" "6205516" "6216252" "6247118" "6253276" "6282627" "6308311" "6324678" "6326806" "6470482" "6624819" "6625749" "6662285"	US-PGPUB; USPAT	OR	ON	2008/10/16 13:38

		"6684314" "6769072" "6785842" "6829697" "6839873" "6982976" "7117390" "7134047" "7137020" "7228520"). pn.				
S88	1924	thread with (message communicat\$3 packet) with (another queue FIFO buffer)	US-PGPUB; USPAT	OR	ON	2008/10/16 13:57
S89	12	first adj thread with (message communicat \$3 packet) with (queue FIFO buffer) with (second another) adj thread	US-PGPUB; USPAT	OR	ON	2008/10/16 13:57
S90	40	thread with ("event queue" "event buffer" mailbox) same signal	US-PGPUB; USPAT	OR	ON	2008/10/16 14:04
S91	247	thread with (message packet data event) with (plurality multiple different) near3 (fifo queue buffer mailbox)	US-PGPUB; USPAT	OR	ON	2008/10/16 14:06
S92	19	thread with (message packet data) with (plurality multiple different) near3 (fifo "event queue" "event buffer" mailbox)	US-PGPUB; USPAT	OR	ON	2008/10/16 14:06
S93	23	("20020041685"   "20020162086"   "20030014627"   "20030115500"   "20030229877"   "20030231649"   "20050149898"   "20060206850"   "20070271545"   "3665173"   "5544067"   "5712922"   "5892962"   "5930147"   "5941999"   "5963454"   "6028939"   "6128755"   "6237054"   "6785841"   "7024654"   "7036059"   "7073158"). PN.	US-PGPUB; USPAT	OR	ON	2009/04/08 18:25
S94	1	"5892962".pn.	US-PGPUB; USPAT	OR	ON	2009/10/22 17:00
S95	1	"6326806".pn.	US-PGPUB; USPAT	OR	ON	2009/10/22 17:03



S96	26	("20020018470"   "20020112091"   "20040019883"   "20040123258"   "20040133763"   "20060036774"   "20060085781"   "20060087450"   "20060101250"   "20060101253"   "20060101307"   "20060149920"   "20060230377"   "20080222337"   "4774574"   "5339413"   "5649135"   "5916307"   "6526430"   "6532009"   "6915502"   "7373432"   "7386704"   "7404170"   "7418574"   "7487302"). PN.	US-PGPUB; USPAT	OR	ON	2009/10/22 19:10
S97	0	"20040181621".pn. and address with without	US-PGPUB; USPAT	OR	ON	2010/06/02 09:45
S98	1	"20040181621".pn. and address	US-PGPUB; USPAT	OR	ON	2010/06/02 09:45
S99	63	huisman.xp.	US-PGPUB; USPAT	OR	ON	2010/06/02 12:35
S101	41	(packet message payload) with fpga with (cpu processor) with (buffer queue)	US-PGPUB; USPAT	OR	ON	2010/06/02 14:21
S102	1	"6112288".pn.	US-PGPUB; USPAT	OR	ON	2010/06/02 14:42
S103	406	network near2 interface with FPGA	US-PGPUB; USPAT	OR	ON	2010/06/02 15:22
S104	11	network near2 interface near4 implement\$5 near3 FPGA	US-PGPUB; USPAT	OR	ON	2010/06/02 15:22
S105	0	processor adj2 on near3 fpga	US-PGPUB; USPAT	OR	ON	2010/06/02 17:18
S106	197	implement\$3 near2 processor near3 fpga	US-PGPUB; USPAT	OR	ON	2010/06/02 17:19
S107	20	implement\$3 near2 processor near3 fpga and xilinx.as.	US-PGPUB; USPAT	OR	ON	2010/06/02 17:20
S109	89	implement\$3 near2 processor near3 fpga and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/06/02 17:23
S110	18	OSI with FPGA	US-PGPUB; USPAT	OR	ON	2010/06/03 09:57

S111	0	multithread\$3 with application same OSI	US-PGPUB; USPAT	OR	ON	2010/06/03 12:41
S112	19	multithread\$3 with application and OSI	US-PGPUB; USPAT	OR	ON	2010/06/03 12:42
S113	0	multithread\$3 with OSI	US-PGPUB; USPAT	OR	ON	2010/06/03 12:47
S114	2	multithread\$3 same OSI	US-PGPUB; USPAT	OR	ON	2010/06/03 12:47
S115	296	multithread\$3 and OSI	US-PGPUB; USPAT	OR	ON	2010/06/03 12:48
S116	19	multithread\$3 near2 (CPU processor node) and OSI	US-PGPUB; USPAT	OR	ON	2010/06/03 12:50
S117	33	("20010047509"   "20020066910"   "20020120883"   "20020144175"   "20040044915"   "20040170070"   "4782461"   "4914653"   "5371896"   "5421028"   "5440682"   "5524075"   "5648732"   "5694371"   "5710910"   "5978578"   "5987620"   "5996059"   "6009531"   "6115047"   "6202139"   "6247134"   "6363465"   "6477170"   "6516420"   "6606360"   "6611920"   "6925549"   "7000213"   "7143302"   "7177310"   "7260794"   "7284225").PN.	US-PGPUB; USPAT	OR	ON	2010/06/03 14:49
S118	0	"2002126680".pn.	US-PGPUB; USPAT	OR	ON	2010/11/10 09:28
S119	1	"20020126680".pn.	US-PGPUB; USPAT	OR	ON	2010/11/10 09:29
S120	1	"20020066910".pn.	US-PGPUB; USPAT	OR	ON	2010/11/10 09:30
S121	4766	publish\$3 same subscrib \$3 same (message packet)	US-PGPUB; USPAT	OR	ON	2010/11/15 15:22
S122	2942	publish\$3 same subscrib \$3 same (message packet) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/11/15 15:23
S123	414	publish\$3 same subscrib \$3 same message same object and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/11/15 15:23
S124	53	publish\$3 same subscrib \$3 same message same buffer and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/11/15 15:28

S125	36	publish\$3 same subscrib \$3 same message same buffer same (know address\$3 identity identif \$7 ID knowledge information) and g06f\$. ipc.	US-PGPUB; USPAT	OR	ON	2010/11/15 15:32
S126	3	publish\$3 same subscrib \$3 same object same buffer same (know address\$3 identity identif \$7 ID knowledge information) and g06f\$. ipc.	US-PGPUB; USPAT	OR	ON	2010/11/15 15:50
S127	4	publish\$3 same subscrib \$3 same object same buffer and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/11/15 15:51
S128	14	("4943932"   "5416917"   "5522066"   "5566332"   "5634053"   "5649190"   "5717924"   "5881230"   "5907837"   "5930806"   "5933837"   "6199068"   "6327591"   "6356946").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/15 16:03
S129	13	("6601072").URPN.	USPAT	OR	ON	2010/11/15 16:05
S130	1130	publish\$3 same subscrib \$3 same object and g06f \$.ipc.	US-PGPUB; USPAT	OR	ON	2010/11/15 16:05
S131	563198	publish\$3 same subscrib \$3 same object same threadand g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/11/15 16:07
S132	50	publish\$3 same subscrib \$3 same object same thread and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/11/15 16:07
S133	5	("5870562"   "5870605"   "5913061"   "6014628"   "6182143").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/15 16:35
S134	15	("6405266").URPN.	USPAT	OR	ON	2010/11/15 16:36
S135	145	publish\$3 same subscrib \$3 same thread and g06f \$.ipc.	US-PGPUB; USPAT	OR	ON	2010/11/15 16:43
S136	26	publish\$3 same subscrib \$3 same thread same (queue buffer fifo) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2010/11/15 16:43
S137	2	("7143418" "6282578"). pn.	US-PGPUB; USPAT	OR	ON	2010/11/16 12:09

S138	132	publish\$3 same subscrib \$3 same API same object	US-PGPUB; USPAT	OR	ON	2010/11/16 14:06
S139	16	publish\$3 same subscrib \$3 same API near4 object	US-PGPUB; USPAT	OR	ON	2010/11/16 14:06
S140	65	"message broker" with object	US-PGPUB; USPAT	OR	ON	2010/11/16 15:50
S142	10	"message broker" with object same publish\$3	US-PGPUB; USPAT	OR	ON	2010/11/16 15:51
S143	2	"message broker object"	US-PGPUB; USPAT	OR	ON	2010/11/16 16:07
S144	6	"queue object" same "reader object"	US-PGPUB; USPAT	OR	ON	2010/11/16 16:36
S146	12	publish\$3 same subscrib \$3 same (fpga accelerator)	US-PGPUB; USPAT	OR	ON	2010/11/16 18:25
S150	23	"message broker" with hardware	US-PGPUB; USPAT	OR	ON	2010/11/17 15:23

### EAST Search History (I nterference)

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